Di p q 79 pr 79 - (pr 79)

T F F F F

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ne Changine Chang PVQ 8 7 1 0 P F 7 T F. F FP

Determine whether there biconditionals are B. Determine _ - u 2+2=4 iff 1+1=2. (T) 1+1=2 iff 2+3=4. (F) (3.) 1+1=3 iff monkay con fly (F) (A) Determine whether these anditumal Statements are true or falls $\frac{1}{2}$ $\frac{1}{1} = 2$, then 2+2=5, $\rightarrow (f)$ (J.) I 141=3, then 2+2=4. 7 (T) Converge 1 Contrapositive & Invene Je potten qu'est p29 le prop. Tie If potten on teen converge of this propon is if q teen p. ie q -> p. Contrapositives > Let pla be prop. The the contrapositive of p > 9 is the bush. 2d > -1 b Inverses - Let p & q be prop, then, the morered by by is the books Tp -> Tq.

Ex. - The home team wins whenever it is raining y p -> 9 All it is earning The home team wins. Contrapositive: of the Lone team
in Sharma" does not win, teen lities
not raining.
Converse: - If the home team whe, then It is rouning Inverser - I it is not rainly, then the home team does not